



Università  
di Brescia

Seminario Matematico di Brescia  
Centro di Ricerca Interuniversitario



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore

# Seminario Matematico di Brescia

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## The fraught history of brittle fracture

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14.30

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### Abstract:

Attempting to rationalize how, and predict when rupture occurs in a solid has been a frustrating exercise since the early 19th century post-Cauchy dawn of fracture mechanics. I will attempt to briefly retrace that history with an emphasis on its equally frustrating interplay with the available mathematics. I will end with a vision of the current disarray that fracture mechanics shares with solid mechanics in the large.

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